G N A Q D L L V E SYNROS G N A P E L L V E ROS-R G N A Q D L L V E ROS-AR	A A Y V S N H V V SYNROS A A Y V S N H V V ROS-R A A Y V S N H V V ROS-AR	G L I S D V H T A SYNROS N L I S D V H S A ROS-R G L I S D V H T A ROS-AR	P A S V A V N V E SYNROS P Q P A A A V V E ROS-R P A S V A V N V E ROS-AR	S V R K S V Q D D SYNROS S V R K S V Q D E ROS-R S V R K S V O D D ROS-AR	G G S F K S L K SYNROS G G N F K S L K ROS-R G G S F K S L K ROS-AR	S M T P E E Y R SYNROS S L S P E E Y R ROS-R S M T P E E Y R ROS-AR	D Y P M V A P A SYNROS D Y P M V A P A ROS-R D Y P M V A P A ROS-AR	L A K E M G L G SYNROS L A K E M G L G ROS-R L A K E M G L G ROS-AR L A K E M G L G ROS-AR L A K E M G L G MUC-AR	PKKKRKV SYNROS G ROS-R
A . A A	Y Y Y	I I	S P S	R R R	G G : :	M L M	Y Y Y	A A A	κ .
N N N	A A A	r r	A Q A	V V V	G G G	s s s	D D D	L L	
99999	A A A A	G N G <u>T</u>	P P P P	ខាខាខាខា	00000	н н н н	V V T V A	R R R R	R R R R
У У Т У <u>L</u>	V V V V	P P A P P	A V A <u>A</u>	V V V V	e e e e e	H H H H	P P P Q P	ខ្លួន	N N G N
A A A S	I I I I	L L L L	S S S S F	A A A A	L L L L	T T T T	L L L L	R R R R	A A R A
Т М Т <u>Т</u>	D D D E	E D E E	T T T T	PPPP	00000	T M T M	0000	A A A A	K ' K K
E D E E	A A A A	T T S T <u>A</u>	G G N G N	K K K K	V V T V	L L L L	W W W W	EEEE	R R R
T T T T	T T T T	V V V V	S S S N	0000 PJ	I I I	H H H H	K K K K	A A A A	R R R R
M M M M	L L L L	P P P P	L L L L	K K K K	H Q H Q	R R R R	E E E D	Y Y Y Y	00000

FIGURE 1(A)

		· ·	
GCGGATCCCC	<u>GGGT</u> ATGACT	GAGACTGCTT	ACGGTAACGC
TCAGGATCTT	CTTGTTGAGC	TTACTGCTGA	TATCGTTGCT
GCTTACGTTT	CTAACCACGT	TGTTCCTGTT	ACTGAGCTTC
CTGGACTTAT	CTCTGATGTT	CATACTGCAC	TTTCTGGAAC
ATCTGCTCCT	GCTTCTGTTG	CTGTTAACGT	TGAGAAGCAG
AAGCCTGCTG	TTTCTGTTCG	TAAGTCTGTT	CAGGATGATC
ATATCGTTTG	TTTGGAGTGT	GGTGGTTCTT	TCAAGTCTCT
CAAGCGTCAC	CTTACTACTC	ATCACTCTAT	GACTCCAGAG
GAGTATAGAG	AGAAGTGGGA	TCTTCCTGTT	GATTACCCTA
TGGTTGCTCC	TGCTTACGCT	GAGGCTCGTT	CTCGTCTCGC
TAAGGAGATG	GGTCTCGGTC	AGCGTCGTAA	GGCTAACCGT
C <i>CAAAAAAGA</i>	AGCGTAAGGT	CTGAGAGCTC	GC

FIGURE 1(B)

M T E T A Y G N A Q D L L V E ATG ACN GAR ACN GCN TAY GGN AAY GCN CAR GAY YTN YTN GTN GAR

L T A D I V A A Y V S N H V V YTN ACN GCN GAY ATH GTN GCN GCN TAY GTN WSN AAY CAY GTN GTN

P V T E L P G L I S D V H T A CCN GTN ACN GAR YTN CCN GGN YTN ATH WSN GAY GTN CAY ACN GCN

L S G T S A P A S V A V N V E YTN WSN GGN ACN WSN GCN CCN GCN WSN GTN GCN GTN AAY GTN GAR

K Q K P A V S V R K S V Q D D AAR CAR AAR CCN GCN GTN WSN GTN MGN AAR WSN GTN CAR GAY GAY

H I V C L E **C G G S F K S L K**CAY ATH GTN TGY YTN GAR TGY GGN GGN WSN TTY AAR WSN YTN AAR

R H L T T H H S M T P E E Y R MGN CAY YTN ACN ACN CAY CAY WSN ATG ACN CCN GAR GAR TAY MGN

E K W D L P V D Y P M V A P A GAR AAR TGG GAY YTN CCN GTN GAY TAY CCN ATG GTN GCN CCN GCN

Y A E A R S R L A K E M G L G TAY GCN GAR GCN MGN WSN MGN YTN GCN AAR GAR ATG GGN YTN GGN

Q R R K A N R P K K K R K V
CAR MGN MGN AAR GCN AAY MGN CCN AAR AAR AAR MGN AAR GTN

FIGURE 1(C)

ROS Inverted Repeat
DNA Binding Sites(Operator sequences)

TATATTTCAA-TTTTTA-TTGTAATATA

TATAATTAAAAATATTAACTGTCGCATT

virC/virD

**** ** ** * ***

ipt

FIGURE 1 (D)

Comparison of ROS DNA Binding Site (Operator) Sequences

VirC/VirD TATATTTCAA

TATATTACAA

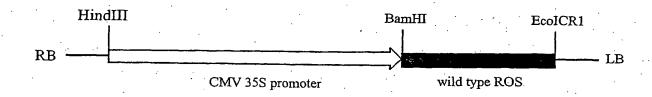
ipt TATAATTAAA AATGCGACAG

TATAHTtCAA

a g gaa g

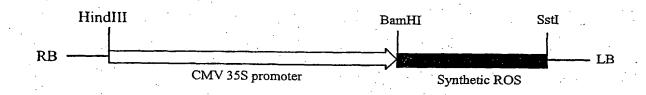
Consensus WATDHWKMAR

FIGURE 1 (E)



p74-107

FIGURE 2(A)



p74-313

FIGURE 2(B)

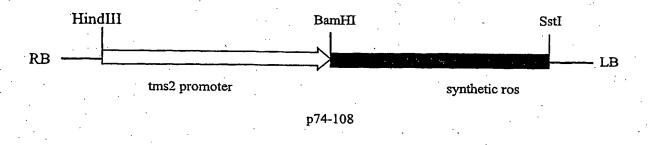
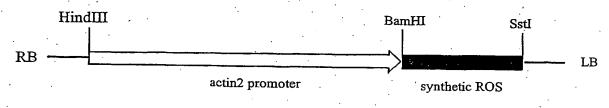


FIGURE 2(C)



p74-101

FIGURE 2(D)

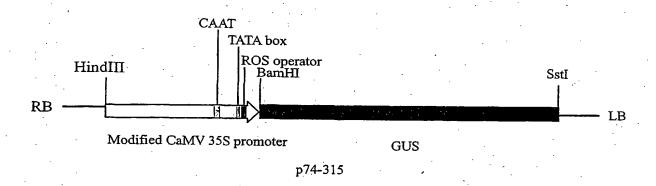


FIGURE 3(A)

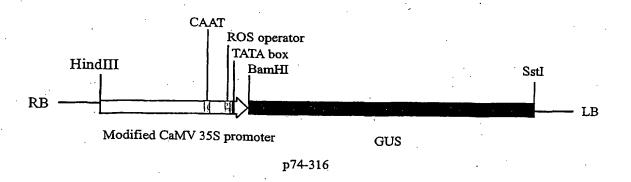


FIGURE 3(B)

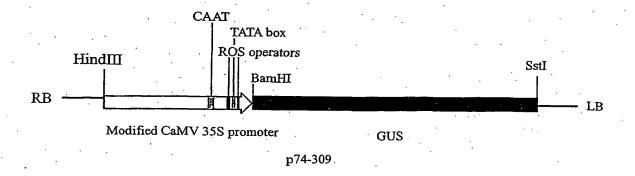


FIGURE 3(C)

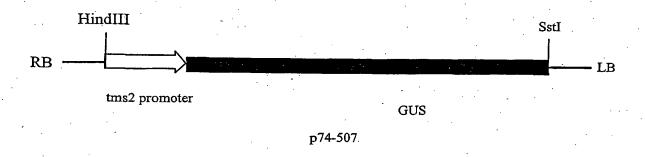


FIGURE 4(A)

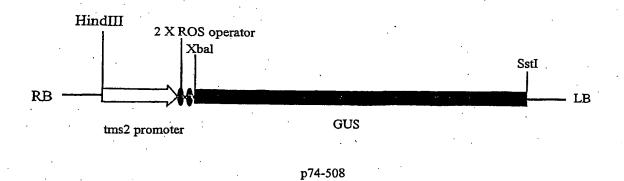


FIGURE 4(B)

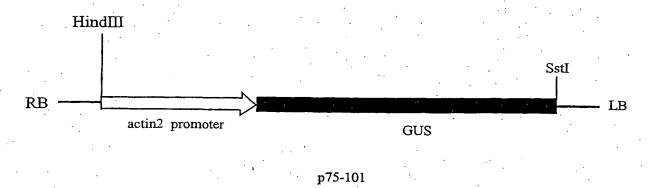
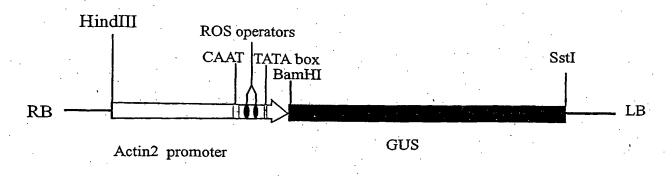


FIGURE 5(A)



p74-501

FIGURE 5(B)

Reporter Construct

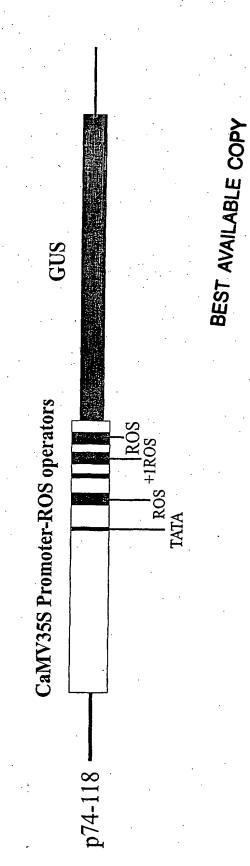
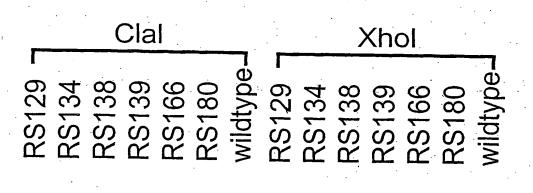


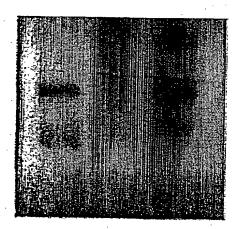
FIGURE 5(C)



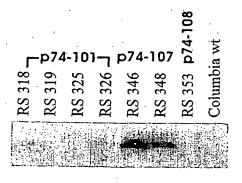
Southern blot of Genomic DNA of p74-309 lines. DNA was digested with Clal or Xhol, and the blot was probed with the ORF of the GUS gene.

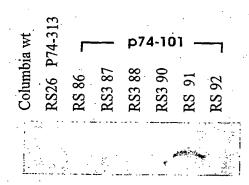
p74-101

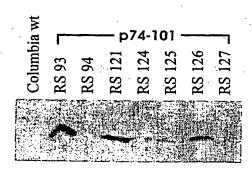
RS 91 RS 93 RS 121



Southern blot of DNA from p74-101 T1 plants. Hindll digests probed with NPTII







Western blot analysis of total protein from T12 plants probed with ROS antibody

FIGURE 7

Columbia wt

pBI121

p74-501

buffer

FIGURE 8

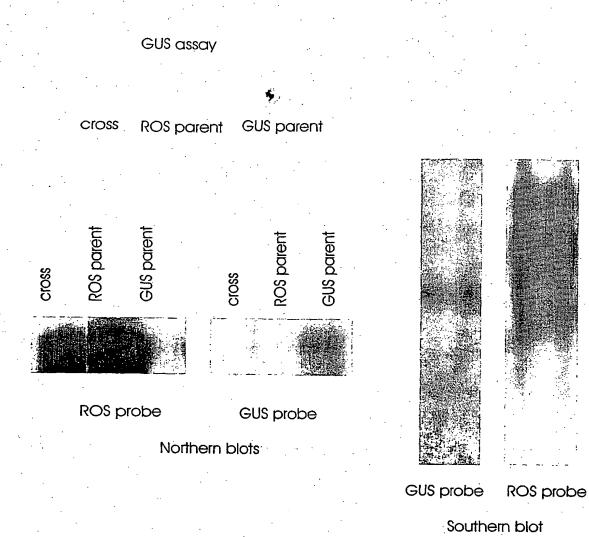


FIGURE 9